

CLAIMS:

1. An apparatus for mounting a device to a supporting surface, the apparatus comprising:

a shaft holder including a bottom wall formed therein and an open top forming a receptacle therein for removably receiving the device;

a first member having a first flange and a second flange perpendicularly attached to said first flange, said first flange attachable to said bottom wall of said shaft holder and said second flange having at least one opening therein; and

a second member having a third flange and a fourth flange perpendicularly attached to said third flange, said third flange having an outer wall provided with at least one extending pin receivable within said opening in said second flange when said third flange is supported on said second flange.

2. The apparatus of claim 1, wherein said opening and said pin are non-circular.

3. The apparatus of claim 1, further including a pair of openings within said second flange and a pair of extending pins on said outer wall of said third flange receivable within said openings within said second flange.

4. The apparatus of claim 1, wherein said fourth flange of said second member includes an outer wall provided with at least one extending pin receivable within said opening in said second flange when said fourth flange is supported on said second flange.

5. The apparatus of claim 1, wherein said second member includes an L-shaped boss attached to an adjacent inner surface of said third flange and said fourth flange.

6. The apparatus of claim 1, wherein said second flange of said first member includes a first opening and said third flange and said fourth flange of said second member include respective second and third openings, said second opening alignable with said first opening when said third flange is supported on said second flange and said third opening alignable with said first opening when said fourth flange is supported on said second flange.

7. The apparatus of claim 3, further including a clamping plate having a pair of spaced openings alignable to receive said pins extending from said third flange.

8. The apparatus of claim 1, further including a pressure plate attachable between said first flange of said first member and the bottom wall of said shaft holder.

9. The apparatus of claim 8, wherein said first flange of said first member has a first surface area and said pressure plate has a second surface area greater than said first surface area.

10. The apparatus of claim 8, wherein said pressure plate includes a bottom surface and a plurality of resilient support members thereon.

11. The apparatus of claim 3, wherein said second member includes an L-shaped boss attached to an adjacent inner surface of said third flange and said fourth flange, said boss including a first hole extending through said boss and said third flange and a second hole extending through said boss and said fourth flange, said first and second holes having axes arranged perpendicular to each other, and a third hole within said second flange between said pair of spaced openings.

12. The apparatus of claim 11, further including a threaded member for attaching said third flange of said second member to said second flange of said first member upon being

received within said first and third holes and for attaching said fourth flange of said second member to said second flange of said first member upon being received within said second and third holes.

13. The apparatus of claim 1, wherein said shaft holder is attached to said first flange of said first member by a threaded member.

14. The apparatus of claim 1, further including a pressure plate attachable between said first flange of said first member and the bottom wall of said shaft holder, said pressure plate including a bottom cavity constructed to receive therein said first flange of said first member.

15. The apparatus of claim 14, further including a pair of spaced pins within said cavity, said first flange receivable between said pins when positioned within said cavity.

16. The apparatus of claim 1, further including a threaded rod threadably received through one of said third and fourth flanges of said second member, said rod having a free end opposing said first flange of said first member.

17. An apparatus for mounting an arm device to a supporting surface, the apparatus comprising:

a shaft holder including a bottom wall formed therein and an open top forming a receptacle therein for receiving the arm device;

a first member having a first flange and a second flange perpendicularly attached to said first flange, said first flange attachable to said bottom wall of said shaft holder and said second flange having a pair of spaced openings therein; and

a second member having a third flange and a fourth flange perpendicularly attached to said third flange, said

third flange having an outer wall provided with a pair of extending pins receivable within said openings in said second flange when said third flange is supported on said second flange and said fourth flange having an outer wall provided with a pair of extending pins receivable within said openings in said second flange when said fourth flange is supported on said second flange, said second flange of said first member including a first opening and said third flange and said fourth flange of said second member include respective second and third openings, said second opening alignable with said first opening when said third flange is supported on said second flange and said third opening alignable with said first opening when said fourth flange is supported on said second flange.

18. The apparatus of claim 15, wherein said second member includes an L-shaped boss attached to an adjacent inner surface of said third flange and said fourth flange, said boss including a first hole extending through said boss and said third flange and a second hole extending through said boss and said fourth flange, said first and second holes having axes arranged perpendicular to each other, and a third hole within said second flange between said pair of spaced openings.

19. The apparatus of claim 16, further including a threaded member for attaching said third flange of said second member to said second flange of said first member upon being received within said first and third holes and for attaching said fourth flange of said second member to said second flange of said first member upon being received within said second and third holes.

20. The apparatus of claim 16, wherein said shaft holder is attached to said first flange of said first member by a threaded member.

21. The apparatus of claim 16, further including a pressure plate attachable between said first flange of said first member and the bottom wall of said shaft holder, said pressure plate including a bottom cavity constructed to receive therein said first flange of said first member.

22. The apparatus of claim 19, further including a pair of spaced pins within said cavity, said first flange receivable between said pins when positioned within said cavity.

23. The apparatus of claim 16, further including a threaded rod threadably received through one of said third and fourth flanges of said second member, said rod having a free end opposing said first flange of said first member.

24. A method of mounting an apparatus for a device to a supporting surface, said method comprising:

providing a first member having a first flange and a second flange perpendicularly attached to said first flange, said second flange having at least one opening therein;

attaching a shaft holder to said first flange for mounting a device thereto;

providing a second member having a third flange and a fourth flange perpendicularly attached to said third flange, said third flange having an outer wall and at least one pin extending therefrom;

inserting said pin into said opening with said third flange abutting said second flange, said first and fourth flanges forming an opening therebetween;

securing said second and third flanges together; and

securing a supporting surface within said opening formed between said first and fourth flanges.

25. The method of claim 24, further including inserting a threaded rod extending perpendicular through said

fourth flange, said rod having a free end opposing said first flange.

26. The method of claim 25, further including supporting a clamping plate on the free end of said rod and engaging said supporting surface with said clamping plate by rotation of said rod.

27. The method of claim 24, further including attaching a pressure plate between said first flange and said shaft holder.

28. The method of claim 24, further including attaching an arm device for mounting an electronic device to said shaft holder.

29. The method of claim 24, further including providing a pair of pins extending from an outer wall of said fourth flange of said second member.

30. The method of claim 24, further including providing said second flange with a pair of spaced openings and said third flange having said outer wall with a pair of said pins extending therefrom.

31. The method of claim 30, wherein said pair of pins extending from said fourth flange are alignable with said pair of spaced openings.

32. The method of claim 24, wherein said pin and said opening are non-circular.

33. A method of assembling an apparatus for attaching a device to a supporting surface, said method comprising:

providing a first member having a first flange and a second flange perpendicularly attached to said first flange, said second flange having a pair of spaced openings therein;

attaching a shaft holder to said first flange for mounting a device thereto;

providing a second member having a third flange and a fourth flange perpendicularly attached to said third flange, said third flange having an outer wall and a first pair of pins extending therefrom, said fourth flange having an outer wall and a second pair of pins extending therefrom;

inserting either said first pair of pins into said pair of spaced openings with said third flange abutting said second flange or said second pair of pins into said pair of spaced openings with said fourth flange abutting said second flange; and

securing the abutting flanges together.

34. The method of claim 33, wherein said first and fourth flanges form an opening therebetween for receiving a supporting surface.

35. The method of claim 33, wherein said first and third flanges form an opening therebetween for receiving a supporting surface.

36. The method of claim 33, wherein one of said pins is non-circular.